

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004148

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 H04Q3/68 H04Q11/06 H04L12/56		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04Q H04L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 625 161 B1 (SU CHING-FONG ET AL) 23 September 2003 (2003-09-23) column 1, lines 5-10 column 2, line 8 - column 3, line 3 column 4, line 22 - column 7, line 5 claims 1-4	1-69
Y	US 2003/021266 A1 (OKI EIJI ET AL) 30 January 2003 (2003-01-30) paragraphs '0014!', '0015! paragraphs '0048! - '0051! paragraphs '0069!', '0070! paragraphs '0076!', '0077! paragraphs '0127! - '0134! claim 1	1-69
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *G* document member of the same patent family		
Date of the actual completion of the international search  27 January 2005		Date of mailing of the international search report  03/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3018		Authorized officer  Barbelanne, A

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 583 861 A (HOLDEN ET AL) 10 December 1996 (1996-12-10)</p> <p>column 2, lines 8-16 column 3, lines 21-29 column 5, lines 15-25 column 9, line 29 - column 10, line 27 claims 11-15</p> <p>-----</p>	<p>1, 24, 28, 57-60, 63-68</p>

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information on patent family members

International Application No  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			US 2002061028 A1	23-05-2002
			US 2002181483 A1	05-12-2002
			US 2002110135 A1	15-08-2002
US 5583861	A	10-12-1996	CA 2188882 A1	09-11-1995
			EP 0761055 A1	12-03-1997
			JP 9512683 T	16-12-1997
			WO 9530294 A1	09-11-1995
			US 5570348 A	29-10-1996
			US 5557607 A	17-09-1996
			US 6134218 A	17-10-2000